

PB

PCT09

RAW SEQUENCE LISTING

DATE: 07/27/2001

PATENT APPLICATION: US/09/787,252

TIME: 20:03:43

Input Set : A:\ES.txt

Output Set: N:\CRF3\07272001\I787252.raw

ENTERED

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5 <110> APPLICANT: Lex M. Cowsert
7 <120> TITLE OF INVENTION: ANTISENSE MODULATION OF RhoG EXPRESSION
9 <130> FILE REFERENCE: RTSP-0106
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/787,252
C--> 11 <141> CURRENT FILING DATE: 2001-03-15
11 <150> PRIOR APPLICATION NUMBER: 09/161,015
12 <151> PRIOR FILING DATE: 1998-09-25
14 <160> NUMBER OF SEQ ID NOS: 47
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 1284
18 <212> TYPE: DNA
19 <213> ORGANISM: Homo sapiens
21 <220> FEATURE:
22 <221> NAME/KEY: CDS
23 <222> LOCATION: (130)..(705)
25 <400> SEQUENCE: 1
26   gcttctcgag cccggagccg ctgccgccgc ccccgctcc cccgcctcgg gaggggcacc      60
28   aggtcactgc agccagaggg gtccagaaga gagaggaggc actgcctcac tacagcaact      120
30   gcacccacg atg cag agc atc aag tgc gtg gtg gtg ggt gat ggg gct      168
32       Met Gln Ser Ile Lys Cys Val Val Val Gly Asp Gly Ala
33           1           5           10
35   gtg ggc aag acg tgc ctg ctc atc tgc tac aca act aac gct ttc ccc      216
36   Val Gly Lys Thr Cys Leu Leu Ile Cys Tyr Thr Thr Asn Ala Phe Pro
37       15           20           25
39   aaa gag tac atc ccc acc gtg ttc gac aat tac agc gcg cag agc gca      264
40   Lys Glu Tyr Ile Pro Thr Val Phe Asp Asn Tyr Ser Ala Gln Ser Ala
41       30           35           40           45
43   gtt gac ggg cgc aca gtg aac ctg aac ctg tgg gac act gcg ggc cag      312
44   Val Asp Gly Arg Thr Val Asn Leu Asn Leu Trp Asp Thr Ala Gly Gln
45       50           55           60
47   gag gag tat gac cgc ctc cgt aca ctc tcc tac cct cag acc aac gtt      360
48   Glu Glu Tyr Asp Arg Leu Arg Thr Leu Ser Tyr Pro Gln Thr Asn Val
49       65           70           75
51   ttc gtc atc tgt ttc tcc att gcc agt ccg ccg tcc tat gag aac gtg      408
52   Phe Val Ile Cys Phe Ser Ile Ala Ser Pro Pro Ser Tyr Glu Asn Val
53       80           85           90
55   cgg cac aag tgg cat cca gag gtg tgc cac cac tgc cct gat gtg ccc      456
56   Arg His Lys Trp His Pro Glu Val Cys His His Cys Pro Asp Val Pro
57       95           100          105
59   atc ctg ctg gtg ggc acc aag aag gac ctg aga gcc cag cct gac acc      504
60   Ile Leu Leu Val Gly Thr Lys Lys Asp Leu Arg Ala Gln Pro Asp Thr
61       110          115          120          125
63   cta cgg cgc ctc aag gag cag agc cag gcg ccc atc aca ccg cag cag      552
64   Leu Arg Arg Leu Lys Glu Gln Ser Gln Ala Pro Ile Thr Pro Gln Gln
65       130          135          140
67   ggc cag gca ctc gcg aaa cag atc cac gct gtg cgc tac ctc gaa tgc      600
68   Gly Gln Ala Leu Ala Lys Gln Ile His Ala Val Arg Tyr Leu Glu Cys

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69          145          150          155
71  tca gcc ctg caa cag gat ggt gtc aag gaa gtg ttc gcc gag gct gtc 648
72  Ser Ala Leu Gln Gln Asp Gly Val Lys Glu Val Phe Ala Glu Ala Val
73          160          165          170
75  cgg gct gtg ctc aac ccc acg ccg atc aag cgt ggg cgg tcc tgc atc 696
76  Arg Ala Val Leu Asn Pro Thr Pro Ile Lys Arg Gly Arg Ser Cys Ile
77          175          180          185
79  ctc ttg tga ccctggcact tggcttggag gctgcccctg ccctccccc 745
80  Leu Leu
81  190
83  accagttgtg ccttgggtgcc ttgtccgcct cagctgtgcc ttaaggacta attctggcac 805
85  ccctttccag gggttccctg aatgcctttt tctctgagtg cctttttctc cttaaggagg 865
87  cctgcagaga aaggggcttt gggctctgcc cctctggctt gggaacactg ggtattctca 925
89  tgagctcatc caagccaagg ttggaccctt cccaagagg ccaaccctagt gcccctccc 985
91  attttccgct actgaccagt tcatccagct ttccacacag ttgttgctgc ctattgtggt 1045
93  gccgcctcag gttaggggct ctcagccatc tctaacctct gccctcgctg ctcttggaat 1105
95  tgcgccccca agatgctctc tcccttctcc aatgagggag ccacagaatc ctgagaagggt 1165
97  gaatgtaccc taacctgctc ctctgtgcct aggccttacg catttgctga ctgactcagc 1225
99  ccccatgctt ctggggacct ttctacccc catcagcatc aataaacct cctgtctcc 1284
102 <210> SEQ ID NO: 2
103 <211> LENGTH: 19
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: PCR Primer
110 <400> SEQUENCE: 2
111  caggcactcg cgaaacaga 19
114 <210> SEQ ID NO: 3
115 <211> LENGTH: 23
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: PCR Primer
122 <400> SEQUENCE: 3
123  gaacacttcc ttgacaccat cct 23
125 <210> SEQ ID NO: 4
126 <211> LENGTH: 23
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: PCR Probe
133 <400> SEQUENCE: 4
134  ccacgctgtg cgctacctcg aat 23
137 <210> SEQ ID NO: 5
138 <211> LENGTH: 19
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: PCR Primer

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145 <400> SEQUENCE: 5
146     gaaggtgaag gtcggagtc                               19
149 <210> SEQ ID NO: 6
150 <211> LENGTH: 20
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: PCR Primer
157 <400> SEQUENCE: 6
158     gaagatggtg atgggatttc                               20
161 <210> SEQ ID NO: 7
162 <211> LENGTH: 20
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: PCR Probe
169 <400> SEQUENCE: 7
170     caagcttccc gttctcagcc                               20
173 <210> SEQ ID NO: 8
174 <211> LENGTH: 18
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Antisense Oligonucleotide
181 <400> SEQUENCE: 8
182     gacctggtgc ccctcccg                               18
185 <210> SEQ ID NO: 9
186 <211> LENGTH: 18
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Antisense Oligonucleotide
193 <400> SEQUENCE: 9
194     tcttctggac ccctctgg                               18
197 <210> SEQ ID NO: 10
198 <211> LENGTH: 18
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Antisense Oligonucleotide
205 <400> SEQUENCE: 10
206     ggcagtgcct cctctctc                               18
209 <210> SEQ ID NO: 11
210 <211> LENGTH: 18
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Antisense Oligonucleotide
217 <400> SEQUENCE: 11

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218      gtgcagttgc ttagtgga      18
221 <210> SEQ ID NO: 12
222 <211> LENGTH: 18
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Antisense Oligonucleotide
229 <400> SEQUENCE: 12
230      gcatcgtggg tgcagttg      18
233 <210> SEQ ID NO: 13
234 <211> LENGTH: 18
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Antisense Oligonucleotide
241 <400> SEQUENCE: 13
242      ccaccacgca cttgatgc      18
245 <210> SEQ ID NO: 14
246 <211> LENGTH: 18
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Antisense Oligonucleotide
253 <400> SEQUENCE: 14
254      ttgtgtagca gatgagca      18
256 <210> SEQ ID NO: 15
257 <211> LENGTH: 18
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Antisense Oligonucleotide
264 <400> SEQUENCE: 15
265      aaagcgtagg ttgtgtag      18
268 <210> SEQ ID NO: 16
269 <211> LENGTH: 18
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Antisense Oligonucleotide
276 <400> SEQUENCE: 16
277      gcgcgctgta attgtcga      18
280 <210> SEQ ID NO: 17
281 <211> LENGTH: 18
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Antisense Oligonucleotide
288 <400> SEQUENCE: 17
289      gggtcactgt gcgcccgt      18
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```

292 <210> SEQ ID NO: 18
293 <211> LENGTH: 18
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Antisense Oligonucleotide
300 <400> SEQUENCE: 18
301     gtccacacagg ttcaggtt                                18
304 <210> SEQ ID NO: 19
305 <211> LENGTH: 18
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Antisense Oligonucleotide
312 <400> SEQUENCE: 19
313     tgtacggagg cggtcata                                18
316 <210> SEQ ID NO: 20
317 <211> LENGTH: 18
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Antisense Oligonucleotide
324 <400> SEQUENCE: 20
325     acgttggtct gagggtag                                18
328 <210> SEQ ID NO: 21
329 <211> LENGTH: 18
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
334 <223> OTHER INFORMATION: Antisense Oligonucleotide
336 <400> SEQUENCE: 21
337     caatggagaa acagatga                                18
340 <210> SEQ ID NO: 22
341 <211> LENGTH: 18
342 <212> TYPE: DNA
343 <213> ORGANISM: Artificial Sequence
345 <220> FEATURE:
346 <223> OTHER INFORMATION: Antisense Oligonucleotide
348 <400> SEQUENCE: 22
349     cataggacgg cggactgg                                18
352 <210> SEQ ID NO: 23
353 <211> LENGTH: 18
354 <212> TYPE: DNA
355 <213> ORGANISM: Artificial Sequence
357 <220> FEATURE:
358 <223> OTHER INFORMATION: Antisense Oligonucleotide
360 <400> SEQUENCE: 23
361     cgcacgttct cataggac                                18
364 <210> SEQ ID NO: 24

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/787,252

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TIME: 20:03:44

Input Set : A:\ES.txt

Output Set: N:\CRF3\07272001\I787252.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date